

21. **Nilsson, MA.** (2015) The devil is in the details: transposable element analysis of the Tasmanian devil genome. *Mobile Genetic Elements*. Accepted, in press
20. Gallus, S, Kumar, V, Bertelsen, MF, Janke, A, **Nilsson, MA.** (2015) A genome survey sequencing of the Java mouse deer (*Tragulus javanicus*) adds new aspects to the evolution of lineage specific retrotransposons in Ruminantia (Cetartiodactyla). *Gene*, 571(2):271-8.
19. Bidon, T, Schreck, N, Hailer, F, **Nilsson, MA,** Janke A. (2015) Genome-Wide Search Identifies 1.9 Mb from the Polar Bear Y Chromosome for Evolutionary Analyses. *Genome Biol Evol.* 7(7):2010-22.
18. Kumar, V, Kutschera, VE, **Nilsson, MA,** Janke, A. (2015) Genetic signatures of adaptation revealed from transcriptome sequencing of arctic and red foxes. *BMC genomics*, 16:585.
17. Gallus, S, Kumar, V, Janke, A, **Nilsson, MA.** (2015) Disentangling the relationship of the Australian marsupial orders using retrotransposon and evolutionary network analyses. *Genome Biol Evol.* 7(4):985-92
16. Gallus, S, Hallström, BM, Kumar, V, Dodt, WG, Janke, A, Schumann GG, **Nilsson MA.** (2015) Evolutionary histories of transposable elements in the genome of the largest living marsupial carnivore, the Tasmanian devil. *Mol Biol Evol.* 32(5):1268-83.
15. Cornelis G, Vernochet C, Carradec Q, Souquere S, Mulot B, Catzeflis F, **Nilsson MA,** Menzies BR, Renfree MB, Pierron G, Zeller U, Heidmann O, Dupressoir A, Heidmann T. (2015) Retroviral envelope gene captures and syncytin exaptation for placentation in marsupials. *Proc Natl Acad Sci U S A*, 112(5):E487-96.
15. Dodt WG, McComish BJ, **Nilsson MA,** Gibb GC, Penny D, Phillips MJ. (2014) The complete mitochondrial genome of the eastern grey kangaroo (*Macropus giganteus*). *MtDNA*, 8:1-2.
14. Bock, F, Gallus, S, Janke, A, Hailer, F, Steck, B, Kumar, V, **Nilsson, MA.** (2014) Genomic resources and genetic diversity of captive lesser kudu (*Tragelaphus imberbis*). *Zoobiology* 33(5):440-445.
12. **Nilsson, MA,** Klassert, D, Bertelsen, MF, Hallström, BM, Janke, A. (2012) Activity of ancient RTE retrotransposons during the evolution of cows, spiral-horned antelopes and Nilgais (Bovinae). *Mol Biol Evol.* 29(10): 2885-2888.
11. **Nilsson, MA,** Janke, A, Murchison, E, Ning, Z, Hallström, BM. (2012) Expansion of CORE-SINEs in the genome of the Tasmanian devil. *BMC Genomics* 13(1):172.
10. **Nilsson, MA,** Churakov, G, Sommer, M, Tran, V, Brosius, J, Schmitz, J. (2010) Tracking

marsupial evolution using archaic genomic retroposon insertions. *PLoS Biology* 8(7):e1000436.

9. **Nilsson, MA**, Härlid, A, Kullberg, M, Janke, A. (2010) The impact of fossil calibrations, codon positions and relaxed clocks on the divergence time estimates of the native Australian rodents (Conilurini). *Gene* 455(1-2):22-31.
8. **Nilsson, MA**. (2009) The structure and organisation of the mitochondrial control region in South American and Australian marsupials. *MtDNA* 20:5, 126-138.
7. Weisbecker, V and **Nilsson, MA**. (2008) Integration, heterochrony, and adaptation in pedal digits of syndactylous marsupials. *BMC Evol Biol.* 8:160.
6. Hallström, BM, Kullberg, M, **Nilsson, MA**, Janke, A. (2007) Phylogenomic data analyses provide evidence that Xenarthra and Afrotheria are sister groups. *Mol Biol Evol.* 24:2059-2068.
5. **Nilsson, MA**. (2006) Phylogenetic relationships of the Banded Hare wallaby (*Lagostrophus fasciatus*) and a map of the kangaroo mitochondrial control region. *Zool. Scrip.* 35: 387-393.
4. Kullberg, M, **Nilsson, MA**, Arnason, U, Harley, EH, Janke, A. (2006) Housekeeping genes for phylogenetic analysis of Eutherian relationships. *Mol Biol Evol.* 23(8):1493-1503.
3. **Nilsson, MA**, Gullberg, A, Spencer, P, Arnason, U, Janke, A. (2004) Marsupial relationships and a timeline for marsupial radiation in South Gondwana. *Gene* 340:189-196.
2. **Nilsson, MA**, Gullberg, A, Spotorno, AE, Arnason, U, Janke, A. (2003) Radiation of marsupials after the K/T-boundary: evidence from complete mitochondrial genomes. *J. Mol. Evol.* 57 Suppl 1:S3-1.
1. Arnason, U, Adegoke, JA, Bodin, K, Born, EW, Esa, YB, Gullberg, A, **Nilsson, M**, Short, RV, Xu, X, Janke, A. (2002) Mammalian mitogenomic relationships and the root of the eutherian tree. *Proc. Natl. Acad. Sci. U S A.* 99: 8151-8156.